ICR-ICP Data System
ABCC Data Dictionary
(Technical Metadata)

ENTITY	DOMAIN	DATA TYPE	DESCRIPTION	RULES
Data_Form_ID	ICP_Collagenase	int	See ICP_Main.Data_Form_ID.	PK. Cannot be null.
Lot_Number	ICP_Collagenase	int	Unique ID assigned by the system.	PK. Cannot be null. Sequential for each Data Form.
Collag_Manufact	ICP_Collagenase	int	Collagenase manufacturer.	Select from a list or Unknown.
Collag_Manufact_Oth	ICP_Collagenase	varchar(50)	Other collagenase manufacturer.	Open text field.
Collag_Type	ICP_Collagenase	int	Collagenase type.	Select from a list or Unknown.
Collag_Type_Oth	ICP_Collagenase	varchar(50)	Other collagenase type.	Open text field or Unknown.
Collag_Lot_Number	ICP_Collagenase	int	Collagenase lot number.	Open text field or Unknown.
Data_Form_ID	ICP_Collagenase_Additives	int	See ICP_Main.Data_Form_ID.	PK. Cannot be null.
Additive	ICP_Collagenase_Additives	varchar(100)	Additive used to dilute the collagenase.	PK. Cannot be null. Select from a list or enter other additives used.
Data_Form_ID	ICP_Culture	int	See ICP_Main.Data_Form_ID.	PK. Cannot be null.
Batch_ID	ICP_Culture	int	Unique ID assigned by the system.	PK. Cannot be null. Sequential number for each Data_Form_ID.
Base_Med	ICP_Culture	int	Base medium used for this culture batcg.	Select one choice from a pick list.
Base_Med_Oth	ICP_Culture	varchar(50)	Other base medium used.	Open text field.
Additives	ICP_Culture	int	Were any additives used?	No, Yes.
Surf_Area	ICP_Culture	int	Surface area of the culture flask.	Numeric value
Tot_Islet_Vol	ICP_Culture	int	Total vol of islets used for each flask.	Numeric value
Islet_Density	ICP_Culture	int	Islet density.	Numeric value
Tot_Cul_Hrs	ICP_Culture	int	Total culture time.	Hours.
Chg_Culture	ICP_Culture	int	Was culture formula changed?	No, Yes.
Changed	ICP_Culture	int	What was changed?	Select one choice from a pick list.
Tot_Pack_Cell	ICP_Culture	int	Total packed cell volume.	0 - 99 mL, Unknown, Not Done
Per_Trap_Islets	ICP_Culture	int	Percent Trapped islets.	0 - 100 %, Unknown, Not Done
Tot_Islet_Cnt	ICP_Culture	decimal(10,3)	Total Islet Count.	0.000 - 2,000,000.000, Unknown, Not Done.
Gross_Clumping	ICP_Culture	int	Gross clumping evident.	Yes, No, Unknown, Not Done.
Tot_IEQs	ICP_Culture	decimal(10,3)	Total IEQs.	1 - 1,250,000 IEQ, Unknown, Not Done
Tot_Beta_Cells	ICP_Culture	int	Total # of beta cells.	1 - 750 x 10^6, Unknown, Not Done
Insulin_Content	ICP_Culture	decimal(7,3)	Insulin content.	0.000 - 1000.000 µU/IEQ, Unknown, Not Done
DNA_Content	ICP_Culture	decimal(8,3)	DNA content.	0.000 - 100000.000 µg, Unknown, Not Done

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Stim_Index	ICP_Culture	decimal(3,1)	Stimulation index.	0.0 - 30.0, Unknown, Not Done.
Per_Dithizone	ICP_Culture	int	Percent dithizone positive cells.	0 - 100 %, Unknown, Not Done
Per_Beta_Cells	ICP_Culture	int	Percent beta cells.	0 - 100 %, Unknown, Not Done
Incl_Dye	ICP_Culture	int	Inclusion dye used.	Select one choice from a pick list.
Incl_Dye_Oth	ICP_Culture	varchar(50)	Other inclusion dye used.	Open text field.
Excl_Dye	ICP_Culture	int	Exclusion dye used.	Select one choice from a pick list.
Excl_Dye_Oth	ICP_Culture	varchar(50)	Other exclusion dye used.	Open text field.
Viability	ICP_Culture	int	Islet viability.	0 - 100 %
Started	ICP_Culture	int		For syetem use only.
Incomplete_Q	ICP_Culture	varchar(1000)	A list of incomplete question_ids.	For syetem use only.
Data_Form_ID	ICP_Culture_Additives	int	See ICP_Main.Data_Form_ID.	PK. Cannot be null.
Batch_ID	ICP_Culture_Additives	int	See ICP_Culture.Batch_ID.	PK. Cannot be null.
Additive	ICP_Culture_Additives	varchar(100)	Additives used for culture.	PK. Cannot be null. Select from a list or enter other additives used.
Data_Form_ID	ICP_Culture_Periods	int	See ICP_Main.Data_Form_ID	PK. Cannot be null.
Batch_ID	ICP_Culture_Periods	int	See ICP_Culture.Batch_ID.	PK. Cannot be null.
Period_ID	ICP_Culture_Periods	int	Unique ID assigned by the system.	PK. Cannot be null.
Cul_Temp	ICP_Culture_Periods	decimal(4,2)	Temperature during the duration of culture.	1.00 - 99.00 (°Celsius).
Cul_Hrs	ICP_Culture_Periods	int	Total hours for each culture period.	Numeric field.
Data_Form_ID	ICP_Digestion_Additives	int	See ICP_Main.Data_Form_ID.	PK. Cannot be null.
Additives	ICP_Digestion_Additives	varchar(50)	Additive used for dilution solution.	PK. Cannot be null. Select from a list or enter other additives used.
Data_Form_ID	ICP_Main	int	A system assigned sequential number to uniquely identify a data form.	PK. Cannot be null
UNOS_ID	ICP_Main	varchar(20)	ID obtained from UNOS.	Cannot be null. Open text field. Will become a FK in Phase II.
Center_ID	ICP_Main	varchar(20)	Center-Specific ID Number	Open text field.
User_ID	ICP_Main	varchar(20)	See User_Table.User_ID.	FK. Cannot be null
Institution_ID	ICP_Main	int	See Institution.Institution_ID	FK. Cannot be null

ENTITY	DOMAIN	DATA TYPE	DESCRIPTION	RULES
Report_Dt	ICP_Main	datetime	System date.	Cannot be null
Intended_For	ICP_Main	int	Purpose the pancreas was processed.	Select one choice from a pick list..
Used_For	ICP_Main	int	Purpose the pancreas was processed.	Select one choice from a pick list..
ICR_Status	ICP_Main	int	ICR Approval Status	Required only if used for clinical transplant. Select form a list.
ICR_Status_Oth	ICP_Main	varchar(50)	If Other, specify.	Required only if used for clinical transplant.
Protocol_Number	ICP_Main	varchar(50)	Protocol number	Required only if used for clinical transplant and ICR related protocol.
Protocol_Type	ICP_Main	int	Type of protocol	Required only if used for clinical transplant. Select form a list.
Protocol_Type_Oth	ICP_Main	varchar(50)	If Other, specify.	Required only if used for clinical transplant.
Dist_Program	ICP_Main	int	Were the islets used for the ICR basic science distribution program?	Yes, No. Required only if used for basic science research.
Investigators	ICP_Main	int	Number of investigators received islets from this isolation.	Required only if used for basic science distribution program.
None_Appro_list	ICP_Main	int	Were islets given to investigators not on the ICR approval list?	Yes, No. Required only if used for basic science research.
Own_Research	ICP_Main	int	Were islets used for your own research?	Yes, No. Required only if used for basic science research.
IEQs	ICP_Main	int	How many IEQs were used.	Required on if used for own research.
Rsn_Not_Used	ICP_Main	varchar(1000)	Reason why pancreas was not used.	Required open text field only if pancreas was not used at all.
Cross_Clamp_Dt	ICP_Main	datetime	Date and time of cross clamp.	>01/01/1996 -<= current date. Must be less than any other dates and times.
Cross_Clamp_TZ	ICP_Main	int	Time zone.	Select one choice from a pick list..
Recovery_Dt	ICP_Main	datetime	Date and time of pancreas recovery.	>01/01/1996 -<=current date or Unknown. Must be greater than the Cross_Clamp_Dt field and less than the 1st known subsequent date.
OR_Organ_Intact	ICP_Main	int	Was the organ intact?	No, Yes, Unknown
OR_Organ_Damage	ICP_Main	int	Was there any damage on the organ?	No, Yes, Unknown
OR_Organ_Edema	ICP_Main	int	Was there any edema?	No, Yes, Unknown
Presrv_Ship_Dt	ICP_Main	datetime	Date and time pancreas placed in preservation solution for shipping.	>01/01/1996 -<= current date, Unknown, or Not Done. Must be greater than the 1st known previous date and less than the 1st known subsequent date.
Presrv_Ship	ICP_Main	int	Preservation solution used for shipping.	Select one choice from a pick list..
Presrv_Ship_Oth	ICP_Main	varchar(20)	If Other, specify.	Open text field.

ENTITY	DOMAIN	DATA TYPE	DESCRIPTION	RULES
Presrv_Ship_Top	ICP_Main	int	Solution for top layer.	Select one choice from a pick list.. Required only if Two Layer is selected.
Presrv_Ship_Top_Oth	ICP_Main	varchar(20)	If Other, specify.	Open text field.
Presrv_Ship_Btm	ICP_Main	int	Solution for bottom layer.	Select one choice from a pick list. Required only if Two Layer is selected.
Presrv_Ship_Btm_Oth	ICP_Main	varchar(20)	If Other, specify.	Open text field.
Diff_Presrv	ICP_Main	int	Was the pancreas placed in a different Preservation solution after shipping?	No, Yes.
Presrv_ICR_Dt	ICP_Main	datetime	Date and time pancreas placed in the preservation solution at the ICR lab.	>01/01/1996 -<= current date ot Unknown. Must be greater than the 1st known previous date and less than the 1st known subsequent date.
Presrv_ICR_TZ	ICP_Main	int	Time zone.	Select one choice from a pick list.
Presrv_ICR	ICP_Main	int	Preservation solution used in the ICR lab.	Select one choice from a pick list.
Presrv_ICR_Oth	ICP_Main	varchar(20)	If Other, specify.	Open text field.
Presrv_ICR_Top	ICP_Main	int	Solution for top layer.	Select one choice from a pick list. Required only if Two Layer is selected.
Presrv_ICR_Top_Oth	ICP_Main	varchar(20)	If Other, specify.	Open text field.
Presrv_ICR_Btm	ICP_Main	int	Solution for bottom layer.	Select one choice from a pick list. Required only if Two Layer is selected.
Presrv_ICR_Btm_Oth	ICP_Main	varchar(20)	If Other, specify.	Open text field.
Presrv_Ship_Mins	ICP_Main	int	Duration of time pancreas in shipping preservation solution.	
Presrv_ICR_Mins	ICP_Main	int	Duration of time pancreas in ICR preservation solution.	
Presrv_Total_Mins	ICP_Main	int	Total duration of pancreas preservation.	
Cold_Ischemia_Mins	ICP_Main	int	Duration of cold ischemia.	< 5820 minutes or Unknown.
Def_Cold_Ischemia_Time	ICP_Main	int	How cold ischemia time was defined.	Select one choice from a pick list.
Def_Cold_Ischemia_Time_Oth	ICP_Main	varchar(100)	If Other, specify.	Open text field.
Procurement	ICP_Main	int	Pancreas procurement team.	Select from a list or check Unknown.
ICR_Organ_Intact	ICP_Main	int	Was the organ intact upon arrival at the ICR lab?	No, Yes, Unknown. Must be 'No' if OR_Organ_Intact = 'No'.
ICR_Organ_Damage	ICP_Main	int	Was there any damage on the organ?	No, Yes, Unknown
ICR_Organ_Edema	ICP_Main	int	Was there any edema?	No, Yes, Unknown
Surface_Fat	ICP_Main	int	Surface fat of the pancreas.	Select one choice from a pick list.
Fat_Infiltration	ICP_Main	int	Dat infiltration of the pancreas.	Select one choice from a pick list.

ENTITY	DOMAIN	DATA TYPE	DESCRIPTION	RULES
Char_Cmmts	ICP_Main	varchar(1000)	Comments regarding pancreas characterization.	Optional open text field.
Collag_Manufact	ICP_Main	int	Collagenase manufacturer.	Select one choice from a pick list.
Collag_Manufact_Oth	ICP_Main	varchar(50)	Other collagenase manufacturer.	Open text field.
Collag_Type	ICP_Main	int	Collagenase type.	Select one choice from a pick list.
Collag_Type_Oth	ICP_Main	varchar(30)	Other collagenase type.	Open text field or Unknown.
Base_Med	ICP_Main	int	Base medium used to dilute the collagenase.	Select one choice from a pick list.
Base_Med_Oth	ICP_Main	varchar(50)	Other base medium used.	Open text field.
Additives	ICP_Main	int	Were any additives used?	No, Yes, Unknown.
Collag_Lot_Number	ICP_Main	varchar(20)	Collagenase lot number.	Open text field or Unknown.
Con_Dilute_Collag	ICP_Main	decimal(8,2)	Final concentration of dilute collagenase.	>0.000 - <=10.000
Unit1	ICP_Main	int	Unit for final concentration of dilute collagenase.	Select one choice from a pick list.
Con_Neutral_Protease	ICP_Main	decimal(6,3)	Final concentration of neutral protease.	>0.000 - <=100.000
Unit2	ICP_Main	int	Unit for final concentration of neutral protease.	Select one choice from a pick list.
Vol_Collag_Solution	ICP_Main	decimal(8,3)	Final volume of collagenase solution.	>0.000 - <=40000.000
Diss_Start_Dt	ICP_Main	datetime	Date and time dissection in lab started.	>01/01/1996 -<= current date. Must be greater than the 1st known previous date and less than the 1st known subsequent date.
Diss_Start_TZ	ICP_Main	int	Time zone.	Select from a list.
Pre_Diss_Temp	ICP_Main	decimal(4,2)	Temperature of the pancreas pre-dissection.	0.00 - 50.00 (°Celsius)
Diss_Comp_Dt	ICP_Main	datetime	Date and time dissection completed.	>01/01/1996 -<= current date. Must be greater than the 1st known previous date and less than the 1st known subsequent date.
Post_Diss_Temp	ICP_Main	decimal(4,2)	Temperature of the pancreas post-dissection.	0.00 - 50.00 (°Celsius)
Diss_Mins	ICP_Main	int	Duration of dissection.	< 60 minutes.
Pre_Dist_Wt	ICP_Main	decimal(7,3)	Pre-distention weight of the pancreas.	>0.000 - <=1000.000 (gm)
Dist_Type_BT	ICP_Main	int	Distention used for body and Tail	Select one choice from a pick list.
Dist_Type_Head	ICP_Main	int	Distention used for head.	Select one choice from a pick list.

ENTITY	DOMAIN	DATA TYPE	DESCRIPTION	RULES
Init_Coll_Inj_Dt	ICP_Main	datetime	Date and Time of initial collagenase injection	>01/01/1996 -<= current date. Must be greater than the 1st known previous date and less than the 1st known subsequent date.
Init_Coll_Inj_TZ	ICP_Main	int	Time zone.	Select one choice from a pick list.
Multi_Measure	ICP_Main	int	Were multiple measurements collected during perfusion?	No, Yes.
Dist_Qlty_BT	ICP_Main	int	Quality of the distention for body and tail.	Select one choice from a pick list.
Dist_Qlty_Head	ICP_Main	int	Quality of the distention for head.	Select one choice from a pick list.
Perf_End_Dt	ICP_Main	datetime	Date and time perfusion ended.	>01/01/1996 -<= current date. Must be greater than the 1st known previous date and less than the 1st known subsequent date.
Perf_Mins	ICP_Main	int	Duration of the perfusion.	>0 - <120 minutes
Digstn_Mthd	ICP_Main	int	Digestion method used.	Select one choice from a pick list.
Digstn_Mthd_Oth	ICP_Main	varchar(50)	Other digestion method used.	Open text field.
Digstn_Start_Dt	ICP_Main	datetime	Date and time dissection phase started.	>01/01/1996 -<= current date. Must be greater than the 1st known previous date and less than the 1st known subsequent date.
Digstn_Stop_Dt	ICP_Main	datetime	Date and time dissection phase stopped.	>01/01/1996 -<= current date. Must be greater than the 1st known previous date and less than the 1st known subsequent date.
Digstn_Mins	ICP_Main	int	Duration of digestion phase.	>0 - <360 (minutes)
Free_Islets	ICP_Main	int	Was % of free islets observed used to determine the start of dilution?	Checkbox.
Emb_Islets	ICP_Main	int	Was % of embedded islets observed used to determine the start of dilution?	Checkbox.
Islets_Size	ICP_Main	int	Was size of islets used to determine the start of dilution?	Checkbox.
Oth_Criteria	ICP_Main	int	Was other criteria used to determine the start of dilution?	Checkbox.
Oth_Criteria_Text	ICP_Main	varchar(50)	Specify other criteria used.	Open text field.
Dilu_Start_Dt	ICP_Main	datetime	Date and time dilution phase started (Phase II).	>01/01/1996 -<= current date. Must be greater than the 1st known previous date and less than the date and time dilution phase stopped.

ENTITY	DOMAIN	DATA TYPE	DESCRIPTION	RULES
Dilu_Stop_Dt	ICP_Main	datetime	Date and time dilution phase stopped (Phase II).	>01/01/1996 -<= current date. Must be greater than the 1st known previous date.
Dilu_Mins	ICP_Main	int	Duration of dilution phase.	>0 - <360 minutes
Dilu_Sol	ICP_Main	int	Type of solution used for dilution.	Select one choice from a pick list.
Dilu_Sol_Oth	ICP_Main	varchar(100)	Other type of solution used for dilution.	Open text field.
Dilu_Sol_Add	ICP_Main	int	Were any additives used?	No, Yes.
Digstn_Qlty	ICP_Main	int	Quality of the digestion	Select one choice from a pick list.
Digstn_Cmnts	ICP_Main	varchar(1000)	Comments regarding digestion.	Open text field.
Tot_Islet_Cnt	ICP_Main	int	Was a total islet count performed?	No, Yes.
Tot_IEQs	ICP_Main	int	Total IEQs.	1 - 1,750,000
Oth_Char_Measured	ICP_Main	int	Were other islet characterization parameters measured?	No, Yes.
Tot_Vol_Digestate	ICP_Main	decimal(8,3)	Total Volume of digestate used for purification and/or countung.	0.000 - 10,000.000 mL, Unknown, Not Done.
Total_Cell_Vol	ICP_Main	int	Total packed cell volume.	0 - 99 mL, Unknown, Not Done
Per_Trap_Islets	ICP_Main	int	Percent trapped islets.	0 -100%, Unknown, Not Done
Gross_Clumping	ICP_Main	int	Gross clumping evident?	No, Yes, Unknown, Not Done
Insulin_Content	ICP_Main	decimal(7,3)	Insulin content.	0.000 -1000.000 µU/IEQ, Unknown, Not Done
DNA_Content	ICP_Main	decimal(9,3)	DNA content.	0.000 - 100,000.000 ng/IEQ, Unknown, Not Done
Stim_Index	ICP_Main	decimal(3,1)	Stimulation index.	0.0 - 30.0, Unknown, Not Done.
Per_Dithizone	ICP_Main	int	Percent dithizone positive cells.	0 - 100 %, Unknown, Not Done
Incl_Dye	ICP_Main	int	Inclusion dye used.	Select one choice from a pick list.
Incl_Dye_Oth	ICP_Main	varchar(50)	Other inclusion dye used.	Open text field.
Excl_Dye	ICP_Main	int	Exclusion dye used.	Select one choice from a pick list.
Excl_Dye_Oth	ICP_Main	varchar(50)	Other exclusion dye used.	Select one choice from a pick list.
Viability	ICP_Main	int	Islet viability.	0 - 100 %.
Purification	ICP_Main	int	Islet purification.	Select from a list or Not Done.
Pur_Oth	ICP_Main	varchar(15)	Other islet purification.	Open text field.
Cobe_Used	ICP_Main	int	Was a COBE used?	No, Yes.
Gradient_Type	ICP_Main	int	Type of gradient used.	Select one choice from a pick list.
Gradient_Desc	ICP_Main	int	Gradient description.	Select one choice from a pick list.
Gradient_Desc_Oth	ICP_Main	varchar(50)	Other gradient description.	Open text field.
FinalData	ICP_Main	int	Does final post-release islet batch data exist?	No, Yes.

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F_Tot_Pack_Cell	ICP_Main	int	Total packed cell volume for final islet preparation.	0 - 99 mL, Unknown, Not Done
F_Per_Trap_Islets	ICP_Main	decimal(6,3)	Percent Trapped islets for final islet preparation.	0.000 - 100.000 %, Unknown, Not Done.
F_Tot_Islet_Cnt	ICP_Main	decimal(10,3)	Total Islet Count for final islet preparation.	0.000 - 2,000,000.000, Unknown, Not Done.
F_Gross_Clumping	ICP_Main	int	Gross clumping evident for final islet preparation.	Yes, No, Unknown, Not Done.
F_Tot_IEQs	ICP_Main	decimal(10,3)	Total IEQs for final islet preparation.	0.000-1500000.000 IEQ, Unknown, Not Done
F_Tot_Beta_Cells	ICP_Main	int	Total # of beta cells for final islet preparation.	1 - 750 x 10^6, Unknown, Not Done
F_Insulin_Content	ICP_Main	decimal(7,3)	Insulin content for final islet preparation.	0.000 - 1000.000 µU/IEQ, Unknown, Not Done
F_DNA_Content	ICP_Main	decimal(8,3)	DNA content for final islet preparation.	0.000 - 100000.000 ng/IEQ, Unknown, Not Done
F_Stim_Index	ICP_Main	decimal(3,1)	Stimulation index for final islet preparation.	0.0 - 30.0, Unknown, Not Done.
F_Per_Dithizone	ICP_Main	int	Percent dithizone positive cells for final islet preparation.	0 - 100 %, Unknown, Not Done
F_Per_Beta_Cells	ICP_Main	int	Percent beta cells for final islet preparation.	0 - 100 %, Unknown, Not Done
F_Incl_Dye	ICP_Main	int	Inclusion dye used for final islet preparation.	Select one choice from a pick list.
F_Incl_Dye_Oth	ICP_Main	varchar(50)	Other inclusion dye used for final islet preparation.	Open text field.
F_Excl_Dye	ICP_Main	int	Exclusion dye used for final islet preparation.	Select one choice from a pick list.
F_Excl_Dye_Oth	ICP_Main	varchar(50)	Other exclusion dye used for final islet preparation.	Open text field.
F_Viability	ICP_Main	int	Islet viability for final islet preparation.	0 - 100 %
Tot_Islet_Vol	ICP_Main	decimal(7,3)	Total Volume of the final islet preparation.	0.000 - 1000.000 mL.
Gram_Stain	ICP_Main	int	Gram stain test result.	Select one choice from a pick list.
Gram_Stain_Pos	ICP_Main	int	If positive, specify.	Select one choice from a pick list.
Aerobic_Cul	ICP_Main	int	Aerobic culture result.	Select one choice from a pick list.
Aerobic_Culture_Pos	ICP_Main	varchar(15)	If positive, specify.	Open text field.
Anaerobic_Cul	ICP_Main	int	Anaerobic culture result.	Select one choice from a pick list.
Anaerobic_Cul_Pos	ICP_Main	varchar(15)	If positive, specify.	Open text field.
Fungal_Cul	ICP_Main	int	Fungal culture result.	Select one choice from a pick list.

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Fungal_Cul_Pos	ICP_Main	varchar(15)	If positive, specify.	Open text field.
Mycoplasma	ICP_Main	int	Mycoplasma result.	Select one choice from a pick list.
Mycoplasma_Pos	ICP_Main	varchar(15)	If positive, specify.	Open text field.
Tot_Endotoxin	ICP_Main	varchar(10)	Total endotoxin units in final preparation.	>0.2 -25.00 EU/mL, < EU/mL, Not Done, Unknown
Mouse_Bioassay	ICP_Main	int	Mouse bioassay conducted?	No, Yes.
Mouse_ID	ICP_Main	varchar(20)	Mouse experiment ID.	Open text field. User defined lab ID.
Mouse_Mdl	ICP_Main	int	Mouse model used.	Select one choice from a pick list.
Mouse_Mdl_Oth	ICP_Main	varchar(50)	Other mouse model used.	open text field. Required only if Other mouse model was selected.
Num_of_Mice	ICP_Main	int	Number of mice transplanted.	Numeric value.
Num_of_IEQ	ICP_Main	int	Number of IEQ transplanted per mouse.	IEQ/kg. Numeric value.
Organ	ICP_Main	int	Organ which the islets were transplanted into.	Select one choice from a pick list.
Organ_Oth	ICP_Main	varchar(20)	Other organ which the islets were transplanted into.	open text field. Required only if Other organ was selected.
Route	ICP_Main	int	Route of transplantation.	Select one choice from a pick list.
Route_Oth	ICP_Main	varchar(50)	Other route of transplantation.	Open text field. Required only if Other route was selected.
Per_Mice_Cured	ICP_Main	decimal(6,3)	Percentage of mice cured.	0.000 - 100.000 %.
Glucose	ICP_Main	int	Blood glucose permanently < 200 mg/dL.	Checkbox.
Insulin	ICP_Main	int	Insulin permanently > 5 µU/L.	Checkbox.
Cpeptide	ICP_Main	int	C-peptide permanently >1 ng/mL.	Checkbox.
Outcome_Oth	ICP_Main	int	Other outcome variables were used to jmudge a cure.	Checkbox.
Outcome_Oth_Text	ICP_Main	varchar(50)	Other outcome variables used to jmudge a cure.	Open text field.
Rev_ID	ICP_Main	int	See Form_Revision.Rev_ID	FK. Cannot be null
Data_Form_ID	ICP_Perfusion	int	See ICP_Main.Data_Form_ID.	PK. Cannot be null.
Row_ID	ICP_Perfusion	int	Unique ID assigned by the system.	PK. Cannot be null. Sequential for each Data Form.
Perf_Time	ICP_Perfusion	varchar(5)	Time of the measurement.	In 24 hour clock hh:mm format.
BT_Temp	ICP_Perfusion	decimal(4,2)	Temperature for the body and tail.	0.00 - 50.00 °Celsius.
BT_Pressure	ICP_Perfusion	decimal(5,2)	Pressure for the body and tail.	1.00 - 760.00 mmHg.
BT_Flw_Rt	ICP_Perfusion	decimal(4,2)	Flow rate for the body and tail.	mL/min

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H_Temp	ICP_Perfusion	decimal(4,2)	Temperature for the head.	0.00 - 50.00 °Celsius.
H_Pressure	ICP_Perfusion	decimal(5,2)	Pressure for the head.	1.00 - 760.00 mmHg.
H_Flw_Rt	ICP_Perfusion	decimal(4,2)	Flow rate for the head.	mL/min
Data_Form_ID	ICP_Purification_Runs	int	See ICP_Main.Data_Form_ID.	PK. Cannot be null.
Run_ID	ICP_Purification_Runs	int	Unique ID assigned by the system.	PK. Cannot be null. Sequential number for each Data_Form_ID.
Run_Type	ICP_Purification_Runs	varchar(1)	Indicate Cobe run or Resuce run.	PK. Cannot by null. R for Rescue C for Cobe.
Tot_Pack_Cell	ICP_Purification_Runs	int	Total packed cell volume.	0 - 99 mL, Unknown, Not Done
Per_Trap_Islets	ICP_Purification_Runs	int	Percent Trapped islets.	0 - 100 %, Unknown, Not Done.
Tot_Islet_Cnt	ICP_Purification_Runs	decimal(10,3)	Total Islet Count.	0.000 - 2,000,000.000, Unknown, Not Done.
Gross_Clumping	ICP_Purification_Runs	int	Gross clumping evident.	Yes, No, Unknown, Not Done.
Tot_IEQs	ICP_Purification_Runs	int	Total IEQs.	1 - 1,250,000 IEQ, Unknown, Not Done
Tot_Beta_Cells	ICP_Purification_Runs	int	Total # of beta cells.	1 - 750 x 10^6, Unknown, Not Done
Insulin_Content	ICP_Purification_Runs	decimal(7,3)	Insulin content.	0.000 - 1000.000 µU/IEQ, Unknown, Not Done
DNA_Content	ICP_Purification_Runs	decimal(8,3)	DNA content.	0.000 - 100000.000 ng/IEQ, Unknown, Not Done
Stim_Index	ICP_Purification_Runs	decimal(3,1)	Stimulation index.	0.0 - 30.0, Unknown, Not Done.
Per_Dithizone	ICP_Purification_Runs	int	Percent dithizone positive cells.	0 - 100 %, Unknown, Not Done
Per_Beta_Cells	ICP_Purification_Runs	int	Percent beta cells.	0 - 100 %, Unknown, Not Done
Incl_Dye	ICP_Purification_Runs	int	Inclusion dye used.	Select one choice from a pick list.
Incl_Dye_Oth	ICP_Purification_Runs	varchar(50)	Other inclusion dye used.	Open text field.
Excl_Dye	ICP_Purification_Runs	int	Exclusion dye used.	Select one choice from a pick list.
Excl_Dye_Oth	ICP_Purification_Runs	varchar(50)	Other exclusion dye used.	Open text field.
Viability	ICP_Purification_Runs	int	Islet viability.	0 - 100 %
Puri_Temp	ICP_Purification_Runs	decimal(4,2)	Temperature during purification.	0.00-99.00 or check Measurement Not Taken
Temp_Mthd	ICP_Purification_Runs	int	How temperature was determined?	Select one choice from a pick list.
Temp_Mthd_Oth	ICP_Purification_Runs	varchar(50)	Other method used to determine temp.	Open text field.
Sup_Islet_Process	ICP_Purification_Runs	int	Was any supplemental islet processing performed?	Check Not Done if none was performed.
Culture	ICP_Purification_Runs	int	Was Culture performed?	Check box.
Cryo	ICP_Purification_Runs	int	Was Cryopreservation performed?	Check box.
Irradiation	ICP_Purification_Runs	int	Was Irradiation performed?	Check box.

ENTITY	DOMAIN	DATA TYPE	DESCRIPTION	RULES
Gene	ICP_Purification_Runs	int	Was Gene Transfer performed?	Check box.
Sup_Oth	ICP_Purification_Runs	int	Was any other processing performed?	Check box.
Sup_Oth_Text	ICP_Purification_Runs	varchar(50)	If Other, specify.	Open text field.
Batch_ID	ICP_Purification_Runs	int	ID for the culture batch that this fraction belongs to.	FK. For syetem use only.
Started	ICP_Purification_Runs	int		For syetem use only.
Incomplete_Q	ICP_Purification_Runs	varchar(1000)	A list of incomplete question_ids.	For syetem use only.